WAMPO ITS PLANNING PROCESS

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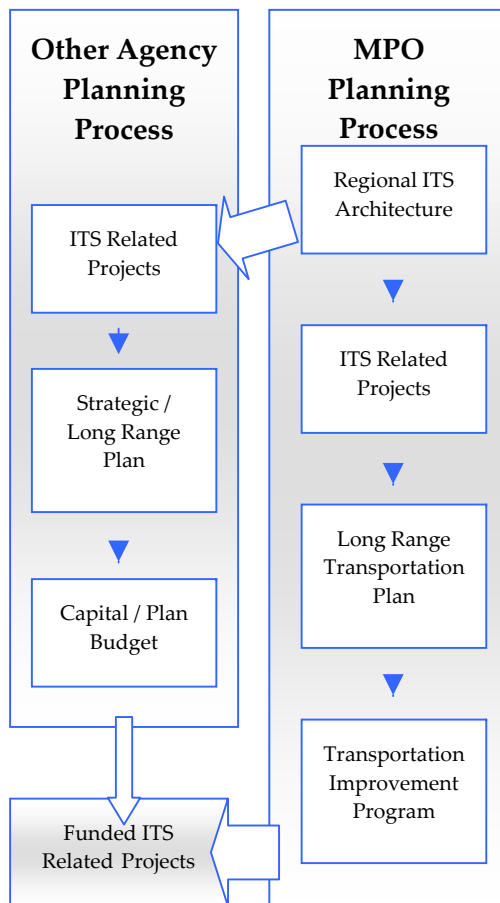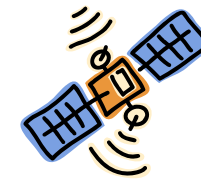| Other Agency Planning Process	MPO Planning Process
	Regional ITS Architecture
ITS Related Projects	ITS Related Projects
Strategic / Long Range Plan	Long Range Transportation Plan
Capital / Plan Budget	Transportation Improvement Program
Funded ITS Related Projects	

Wichita Area Metropolitan Planning Organization
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WAMPO INTELLIGENT TRANSPORTATION SYSTEMS

For more information about the

WICHITA **A**REA **M**ETROPOLITAN **P**LANNING **O**RGANIZATION

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WHAT IS ITS?

Intelligent Transportation System (ITS) projects take advantage of new technology to better manage the transportation system. ITS applications include traffic signal coordination, freeway traffic monitoring and management, automated transit vehicle location and passenger counting, incident management, ramp metering and strategies to monitor and manage commercial vehicle operations. The efforts are multimodal and include all surface transportation types, including highways, railroads and transit.

The presence of ITS ensures the smooth flow of traffic, minimizes congestion, and provides a structure for safety and direction in our road network. With ITS, governments are now finding solutions to help them meet the many challenges and demands placed on transportation systems.

ITS has been made possible by the advancements in technology like: data storage and processing systems, wire line and wireless communication systems, cables, fax machines, and global positioning systems. An ITS will apply the benefits of the "Age of Information" to our busy transportation system.
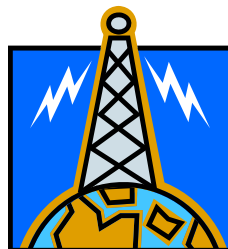
WHAT CAN ITS DO?

Read the following major categories and decide how ITS can assist you. The possibilities are endless:

- Traveler advisory systems for advanced notice of bad weather or traffic jams.
- Better traffic signal systems, freeway incident detection and management systems.
- Electronic transit schedule information, GPS tracking of bus movements and locations.
- Weigh-in-motion, electronic truck clearance at vehicle inspection stations and border crossings.
- Electronic toll payment or transit fare payment for speedier service.
- Improving emergency vehicle response time by fleet tracking and navigation assistance.
- In-vehicle technologies such as on-board computers or collision avoidance sensor technologies.
- Traffic safety data collection.

WHAT IS THE WICHITA AREA METROPOLITAN REGION ITS ARCHITECTURE?

The purpose of developing a Regional Architecture is to join together local agencies' expertise in the ITS management process. It is a simple guide to how the system will work in our region. It will illustrate the framework for how information will be shared by various agencies. These local agencies can include: public safety officials, commercial vehicle operations, toll administration, traveler information, maintenance and construction, emissions management, traffic management, and transit to better manage the transportation system.

The Regional Architecture created three primary documents: the Architecture Document (Volume 1), an Implementation Plan (Volume 2), and a Communications Plan (Volume 3).

The Regional ITS Architecture achieves the following:
- Documents the aspects of ITS.
- Improves communication between ITS professionals.
- Integrates ITS and the local planning process.
- Provides a framework for the identification of ITS components and interconnections.
- Establishes a usable vocabulary for professionals and the public alike.